



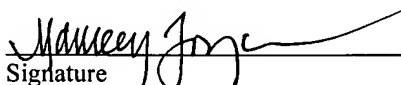
DOCKET NO.: C1134.70003US00/RHW

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: DiSalvo, et al.
Serial No: 10/630,237
Confirmation. No.: 8278
Filed: July 29, 2003
For: INTERMETALLIC COMPOUNDS FOR USE AS CATALYSTS
AND CATALYTIC SYSTEMS
Examiner: Not Yet Assigned
Art Unit: 1742

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 7 day of January, 2004.


Signature

Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:


Transmitted herewith are the following documents:

- ☒ Information Disclosure Statement
- ☒ PTO Form 1449 with cited references
- ☒ Return Receipt Postcard

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 720-3500, Boston, Massachusetts.

A check is not enclosed. If a fee is required, the Commissioner is hereby authorized to charge Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

Respectfully submitted,
DiSalvo, et al., Applicant

By: 
Robert H. Walat, Reg. No.: 46,324
Randy J. Pritzker, Reg. No.: 35,986
WOLF, GREENFIELD & SACKS, P.C.
600 Atlantic Avenue
Boston, Massachusetts 02210-2211
Telephone: (617)720-3500

Date: January 7, 2004
xNDDx



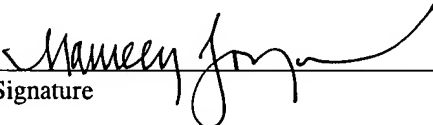
DOCKET NO: C1134.70003US00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: DiSalvo, et al.
Serial No: 10/630,237
Confirmation No: 8278
Filed: July 29, 2003
For: INTERMETALLIC COMPOUNDS FOR USE AS
CATALYSTS AND CATALYTIC SYSTEMS
Examiner: Not Yet Assigned
Art Unit: 1742

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 1 day of January, 2004.


Signature

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**STATEMENT FILED PURSUANT TO THE DUTY OF
DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98**

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

PART I: Compliance with 37 C.F.R. §1.97

This Information Disclosure Statement has been filed before the mailing date of a first Office Action on the merits in the above-identified case.

No fee or certification is required.

PART II: Information Cited

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

PART III: Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted,
DiSalvo, et al., *Applicant*

By: _____

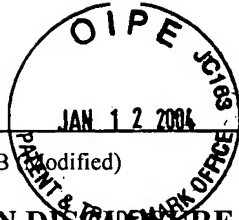


Robert H. Walat, Reg. No. 46,324
Randy J. Pritzker, Reg No. 35,986
WOLF, GREENFIELD & SACKS, P.C.
600 Atlantic Avenue
Boston, Massachusetts 02210-2211
Telephone: (617) 720-3500

Docket No. C1134.70003US00

Date: January 7, 2004

XNDDX



FORM PTO-1449/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICATION NO.: 10/630,237	ATTY. DOCKET NO.: C1134.70003US00
		FILING DATE: July 29, 2003	CONFIRMATION NO.: 8278
		APPLICANT: DiSalvo, et al.	
		GROUP ART UNIT: 1742	EXAMINER: Not Yet Assigned
Sheet	1	of	2

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
	A1	4,112,199		Dunlop, et al.	09-05-1978
	A2	4,192,907		Jalan, et al.	03-11-1980
	A3	4,518,457		Gray	05-21-1985
	A4	4,522,894		Hwang, et al.	06-11-1985
	A5	4,677,092		Luczak, et al.	06-30-1987
	A6	5,096,866		Itoh, et al.	03-17-1992
	A7	5,110,541		Yamamasu, et al.	05-05-1992
	A8	5,238,755		van Beijnen, et al.	08-24-1993
	A9	5,489,563		Brand, et al.	02-06-1996
	A10	5,496,655		Lessing	03-05-1996
	A11	5,656,388		Bugga, et al.	08-12-1997
	A12	5,872,074		Schulz, et al.	02-16-1999
	A13	5,888,665		Bugga, et al.	03-30-1999
	A14	5,922,487		Watanabe, et al.	07-13-1999
	A15	6,232,264		Lukehart, et al.	05-15-2001
	A16	6,239,065		Schulz, et al.	05-29-2001

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			

EXAMINER	DATE CONSIDERED
----------	-----------------

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. __, filed __, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

[NOTE - Must provide a copy of any patent, publication, other information listed, even if it was previously submitted to, or cited by, the U.S. Patent Office in an earlier application, unless the earlier application is identified by the IDS and is relied upon for an earlier filing date under 35 U.S.C. §120, and the copy was provided in the earlier application.]



FORM PTO-1449/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICATION NO.: 10/630,237		ATTY. DOCKET NO.: C1134.70003US00	
				FILING DATE: July 29, 2003		CONFIRMATION NO.: 8278	
				APPLICANT: DiSalvo, et al.			
				GROUP ART UNIT: 1742		EXAMINER: Not Yet Assigned	
Sheet	2	of	2				

OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)	
	C1	DISALVO, FRANCIS J., Challenges and opportunities in solid-state chemistry, Pure Appl. Chem., Vol. 72, No. 10, pp. 1799-1807, 2000.		
	C2	SMITH, SEAN P.E., ET AL., Structural Effects on the Oxidation of HCOOH by Bismuth-Modified Pt(111) Electrodes with (100) Monatomic Steps, American Chemical Society, Vol. 15, pp. 7325-7332, 1999.		
	C3	SMITH, SEAN P.E. AND HECTOR D. ABRUNA, Effects of the Electrolyte Identity and the Presence of Anions on the Redox Behavior of Irreversibly Adsorbed Bismuth on PT(111), J. Phys. Chem. Vol. 102, pp. 3506-3511, 1998.		
	C4	E. CASADO-RIVERA, Z. GAL, A.C.D. ANGELO, C. LIND, F.J. DISALVO, H.D. ABRUNA, Electrocatalytic Oxidation of Formic Acid at an Ordered Intermetallic PtBi Surface, Chemphyschem, Vol. 4, pp. 193-199, 2003.		
	C5	R.B. VAN DOVER, L.F. SCHNEEMEYER & R.M. FLEMING, Discovery of a useful thin-film dielectric using a composition spread approach, Nature, Vol. 392, pp. 162-164, 1998.		
	C6	WANG, K., On the Reaction Pathway for Methanol and Carbon Monoxide Electrooxidation On Pt-Sn Alloy Versus Pt-Ru Alloys Surfaces, Electrochimica Acta., Vol. 41, No. 16, pp. 2587-2593, 1996		
	C7	REDDINGTON, E., ET AL., Combinational Electrochemistry: A Highly Parallel, Optical Screening Method for Discovery of Better Electrocatalysts, Science, Vol. 280, pp. 1735-1737, 1998.		
	C8	RABE, K.M., ET AL., Global multinary structural chemistry of stable quasicrystals, high-T _c ferroelectrics, and high T _c superconductors, Physical Review, Vol. 45, No. 14, pp. 7650-7676, 1992.		
	C9	GURAU, B., ET AL., Structural and Electrochemical Characterization of Binary, Ternary, and Quarternary Platinum Alloy Catalysts for Methanol Electro-oxidation, J. Phys. Chem., Vol. 102, pp. 9997-10003, 1998.		
	C10	VILLARS, P., A Three-Dimensional Structural Stability Diagram for 998 Binary AB Intermetallic Compounds, Journal of the Less-Common Metals, Vol. 92, pp. 215-238, 1983.		

EXAMINER	DATE CONSIDERED
----------	-----------------

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. __, filed __, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

[NOTE - Must provide a copy of any patent, publication, other information listed, even if it was previously submitted to, or cited by, the U.S. Patent Office in an earlier application, unless the earlier application is identified by the IDS and is relied upon for an earlier filing date under 35 U.S.C. §120, and the copy was provided in the earlier application.]